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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 25, 2011

Mr. Stephen Halaz
TRC Environmental Corporation
505 East Huntland Drive, Ste. 250
Austin, Texas 78752

Re: Comments to the Proposed Texas Land Application Permit Amendment, dated
October 3, 2011
Falcon Refinery
1472 FM 2725, San Patricio County, Ingleside, Tx. 78362
SUP111

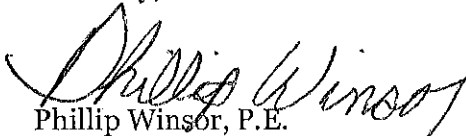
Dear Mr. Halaz:

The Texas Commission on Environmental Quality (TCEQ) has reviewed the response to the proposed Texas Land Application Permit. Please see the attached TCEQ Interoffice Memorandum, dated October 18, 2011, containing the Water Quality Assessment Team's comments on the amended materials submitted for the proposed permit application.

Please respond to these comments and submit your response within 30 days from the date of this letter.

If you have any questions, or wish to discuss any of these matters, please call me at (512)239-1054, or email me at Phillip.Winsor@tceq.texas.gov.

Sincerely,


Phillip Winsor, P.E.
Superfund Section
Remediation Division

PW/sr

cc: Rafael Casanova, RPM, U.S. Environmental Protection Agency, Superfund Division
(6SF-RA), 1445 Ross Avenue, Suite 1200, Dallas, TX 75202-2733
Gary Moore, OSC, U.S. Environmental Protection Agency, Superfund Division (6SF-PR),
1445 Ross Avenue, Suite 1200, Dallas, TX 75202-2733
Amanda Pirani, TCEQ, Wastewater Permits Section, Bldg F, MC-150

Attachment

TCEQ Interoffice Memorandum

To: Satya Dwivedula, Permit Coordinator
Industrial Permits Team

From: Amanda Pirani, P.G. *AP 10/18/11*
Water Quality Assessment Team

Date: October 18, 2011

Subject: Agronomy Comments, Falcon Refinery Superfund Site, San Patricio County

The Water Quality Assessment (WQA) Team has completed a review of the information contained in the permit application, and subsequently provided information, for Falcon Refinery Superfund Site and identified deficiencies that must be addressed before the WQA Team can continue with the technical review. The items that need to be addressed are listed below.

1. Please indicate whether or not the above ground storage tank has been covered and/or sealed to prevent accumulation of additional rainwater.
2. Maps submitted with the permit application, as well as recent and historical satellite imagery, show bare spots concentrated mainly in the northeast and center areas of the proposed irrigation area. Please remove these bare spots from the irrigation areas and if necessary, revise the irrigation acreage. Please revise maps to show the revised irrigation area.
3. There is a structure that appears to be a ditch running east from the center of the proposed irrigation area and under a road. Please describe what this structure is. If it is a ditch, please remove this feature from the irrigation area and revise maps as necessary.
4. The irrigation layout (Figure 4) shows overlapping sprinkler diameters. These overlapping areas will receive twice the permitted wastewater application rate. Please revise the sprinkler layout and/or proposed irrigation area so that sprinkler diameters do not overlap.
5. The value for evapotranspiration (ET) used in the water balance represents the potential ET, or PET, for the area not the ET. Please revise the water balance to include an appropriate value for ET for the native crops.
6. Please complete Worksheet 3.0 Item 8 with all constituents labeled as "NT," or not tested. These constituents are total aluminum, total antimony, total beryllium, total boron, trivalent chromium, hexavalent chromium, total copper, cyanide, total nickel, total thallium, and total zinc.
7. The design application rate in Worksheet 3.1 is indicated to be 3.3292 ac-ft/ac/yr. Irrigation of 2,000,000 gallons to 5.5316 acres results in an application rate of 1.1 ac-ft/ac. Please clarify how much wastewater will be applied to the site.
8. The annual cropping plan submitted with the permit application indicates the "land application will not be used for the purpose of growing or sustaining crops." Land application of wastewater must be for a beneficial use such as providing nutrients and water for cover crops. Please note that native grasses are considered a crop if properly

managed. If a land application permit is desired, please indicate that the site will be managed to promote the growth of the cover crops.

9. Please revise the annual cropping plan to include the warm and cool season plant species to be maintained onsite, the proposed yield, and the nitrogen requirement.

Please be aware that after review of the information requested above, additional information may still be requested in order to complete the technical review. If you have questions or comments, please contact Amanda Pirani at 512-239-6526.